

USER BULLETIN

ZETA THREE USER BULLETIN #9

Installation of Version 3.50 Software

Aug 22, 1989

INSTALLATION

1. Turn OFF the power and DISCONNECT the POWER CORD.
2. Remove the six screws attaching the top panel to the chassis and lift off the panel.
Alternatively, on older models, remove the two screws at the rear of the top panel, and remove the panel by sliding it backwards out of the chassis.
3. At the front right of the main circuit board (just behind the CAPTURE key), you will find one or two EPROMS installed. These are 28 pin chips which will have paper labels identifying which software revision they contain.

Carefully remove the installed EPROM(s) from the Zeta using the EXTRACTOR TOOL we have provided. It hooks rather neatly under each end of the EPROM, and, if you're careful, helps to avoid mangling all the pins.

4. Adjacent to the now empty EPROM sockets, at the edge of the printed circuit board, is a row of wire jumpers, two of which are critical to this operation. See Fig 1.

Carefully inspect the two jumpers labelled JP5 and JP6 (identified in Fig 1).

BOTH JP5 AND JP6 MUST BE CONNECTED AS SHOWN IN FIG 2D. That is, with the wire connecting the outer two (of the three) contacts.

If JP5 is incorrectly configured, then carefully follow the steps in Fig 2 to correct it.

Similarly, if JP6 is incorrectly configured, follow Fig 2 to correct it.

NOTE:

SMALL wire cutters, NEEDLE NOSE PLIERS, and a FINE TIPPED SOLDERING IRON are ABSOLUTELY ESSENTIAL to success here.

If you DO NOT have this equipment, or lack any confidence in your SOLDERING SKILLS whatsoever, then we HIGHLY RECOMMEND that you have a professional repair person do the job.

The unit may also be returned to the factory for modification. This will probably take longer, and we cannot undertake to provide free shipping for this process, but it will be done correctly !

5. When installing EPROMS, one must be careful to avoid the build up of static electricity. Should such a build up come into contact with the pins of the EPROM (for example, from your fingers), then the EPROM can be seriously DAMAGED.

Therefore, BEFORE REMOVING EPROMS FROM THEIR PLASTIC CASE, take hold of the chassis of the Zeta 3 to ensure that you and the chassis are at approximately the same potential.

From now until the EPROMS are installed, try not to shuffle your feet or do any of the things which can create static electricity.

Be particularly careful in cold climates, where the air tends to be very dry in heated buildings.

6. Install the new EPROM marked "A" in the socket closest to the rear of the Zeta (U75).

THE NOTCH IN THE END OF THE EPROM BODY MUST FACE TOWARDS THE REAR OF THE ZETA.

Installing the EPROM around the WRONG way (i.e. notch to the front) can result in the DESTRUCTION of the EPROM !

Make sure that none of the pins have missed the socket and bent under the body of the EPROM. Careful alignment of the pins before applying any insertion force can help a lot. (You may have to use your fingers to do this - just be careful, and try to keep yourself at the same potential as the Zeta chassis.)

7. Install the EPROM marked "B" in the socket closest to the front of the Zeta 3 (U84).

ONCE AGAIN, THE NOTCH IN THE END OF THE EPROM BODY MUST FACE TOWARDS THE REAR OF THE ZETA.

8. Installation is now complete.

Check again that the "A" EPROM is towards the rear, and the "B" EPROM is towards the front.

DOUBLE CHECK THAT THE NOTCH IN THE END OF EACH EPROM POINTS TO THE REAR OF THE ZETA 3.

9. Replace the top cover and the screws that secure it.

10. Now we must perform a special POWER UP SEQUENCE that will totally reset all Zeta 3 functions.

PERFORMANCE OF THIS SEQUENCE IS MANDATORY IMMEDIATELY AFTER INSTALLING NEW SOFTWARE.

Re-attach the power cord.

Hold down the three keys SHIFT, CURSOR and CAPTURE on the right side of the Zeta front panel.

KEEP THEM HELD DOWN.

TURN ON THE ZETA POWER SWITCH WITH THE KEYS STILL HELD DOWN.

The display "**** SYSTEM RESET ****" should be the first to appear.

DO NOT RELEASE THE SHIFT, CURSOR, CAPTURE KEYS until the usual Generator display comes up.

If there is any problem here, then give it one more try. If the problem persists, then **CONTACT YOUR DEALER (OR THE FACTORY) IMMEDIATELY.**

Otherwise, your Zeta 3 is now ready to use again.

NOTE:

The special power up sequence need only be done ONCE. From now on, you may power up and down normally.

11. It will be necessary to re-select your Master and Slave TRANSPORT parameters, just as you had to do when your Zeta was new.

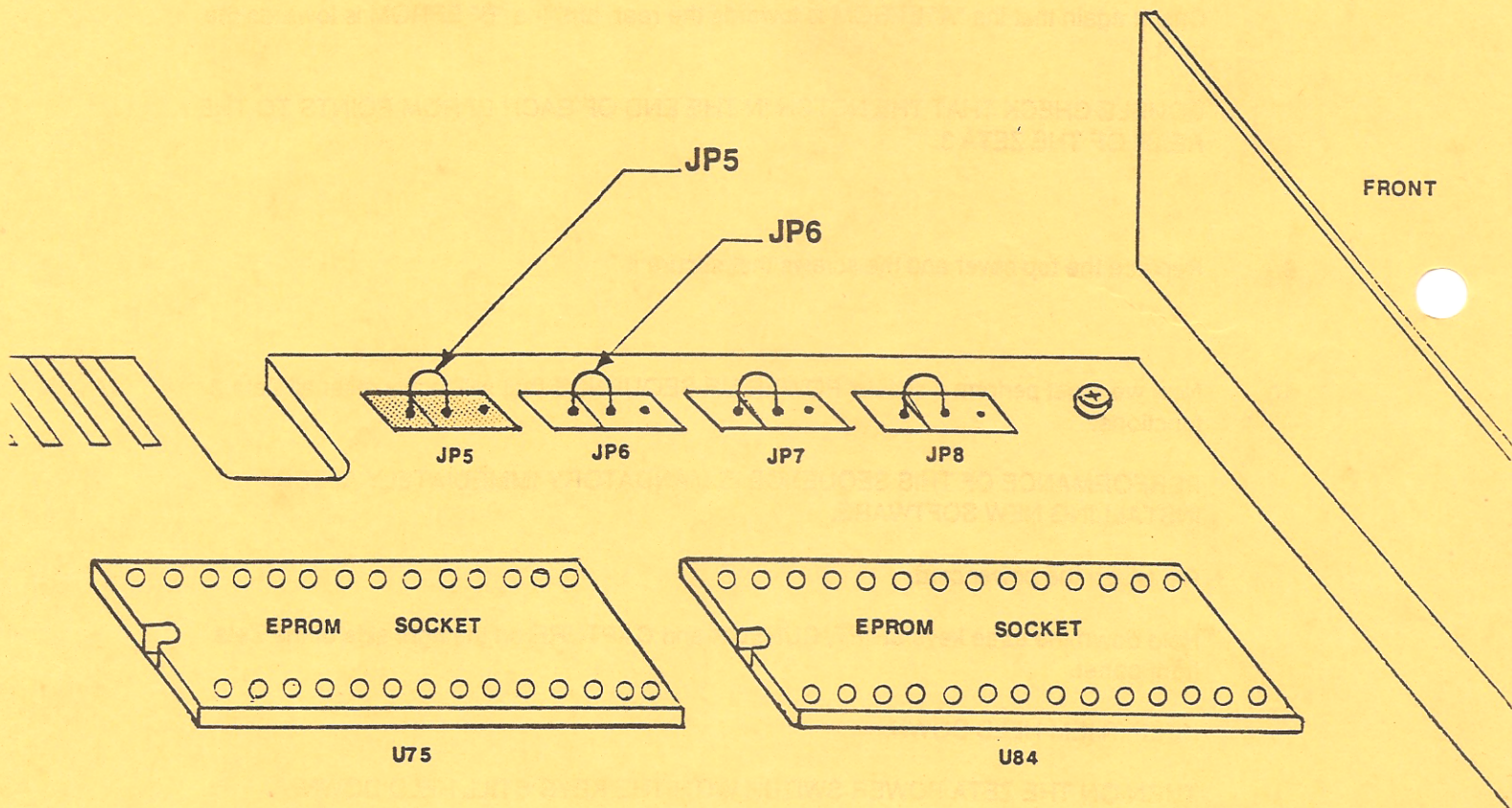


Figure 1. Location of Jumpers JP5 and JP6

FIG. 2A

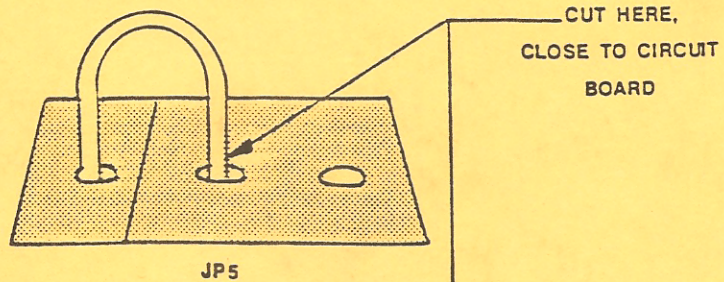


FIG. 2B

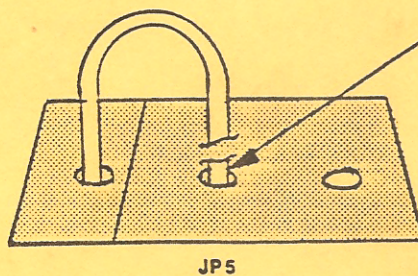


FIG. 2C

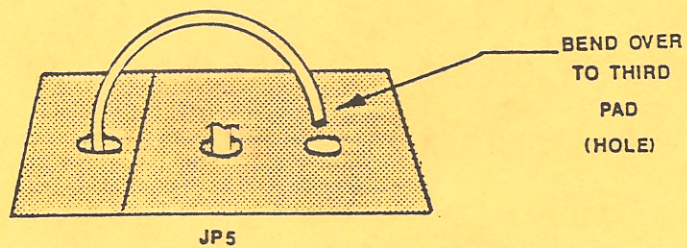


FIG. 2D

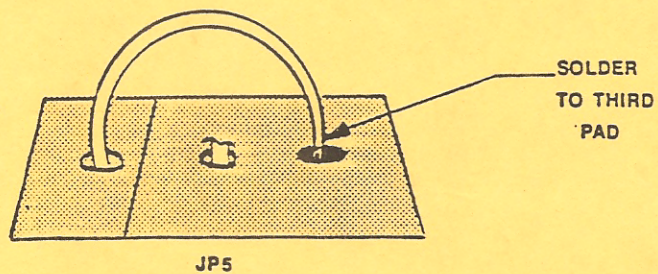


Figure 2. Modification of JP5 and/or JP6